

Aquaculture Web Map Application User Guide

Department of Marine Resources, Augusta Maine

Purpose Statement

The aim of this guide is to provide details on how to use the [Maine DMR Aquaculture Map Application](#). If you have questions or would like additional instructional sections, please email Flora.M.Drury@maine.gov.

Contents

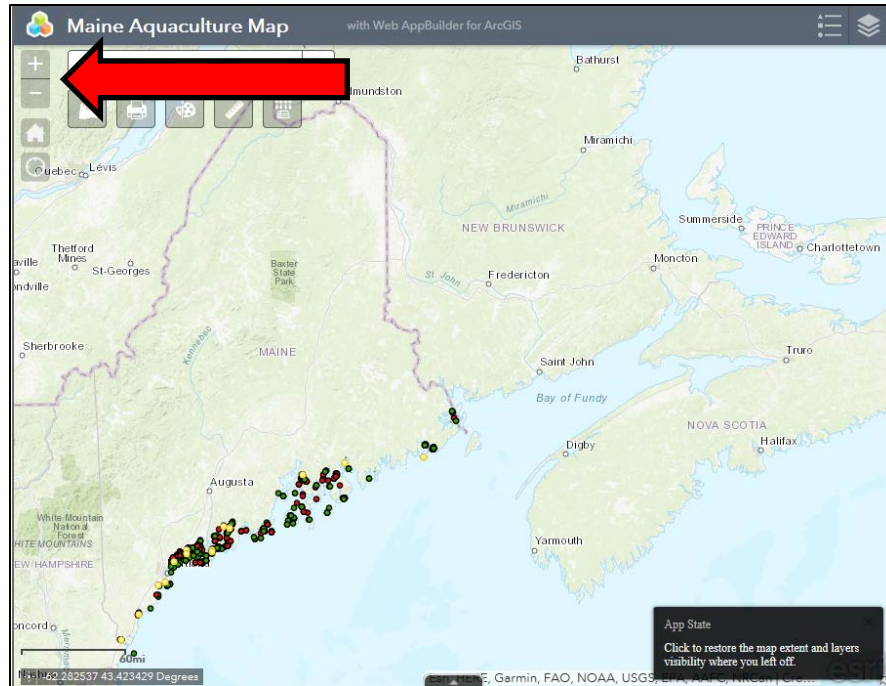
1. General Operation.....	1
2. Using the Layer List	3
3. Using the Legend.....	3
4. Using the Search tool	4
5. Using the Add Data tool	4
6. Using the Print tool.....	6
7. Using the Draw tool.....	8
8. Using the Measurement tool.....	9
9. Using the GeoLookup widget	11

1. General Operation

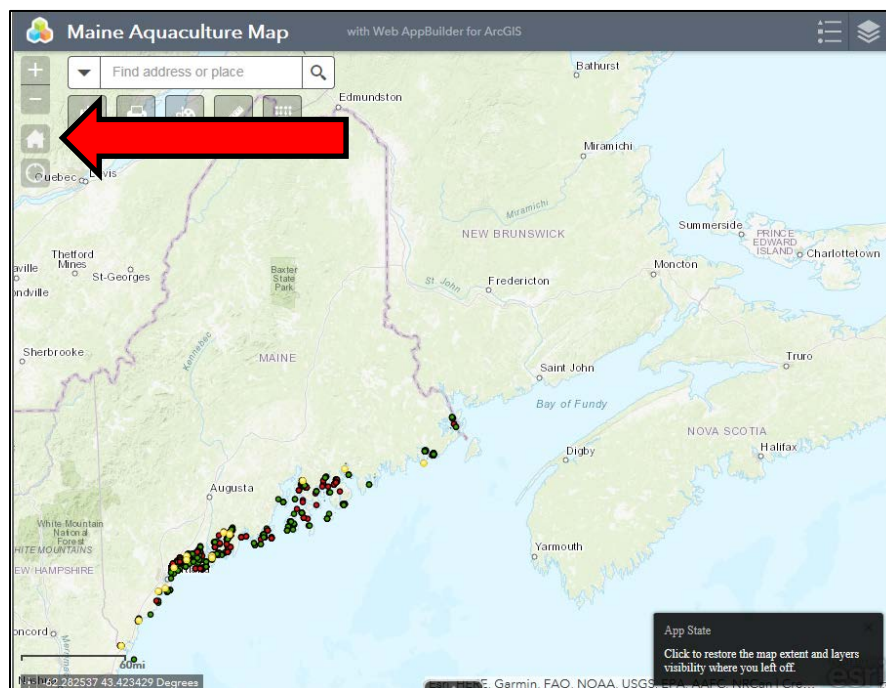
- I. Click on the map and drag your mouse to move around the map.



- II. Use this tool to zoom in and out on the map, or just double click to zoom in.



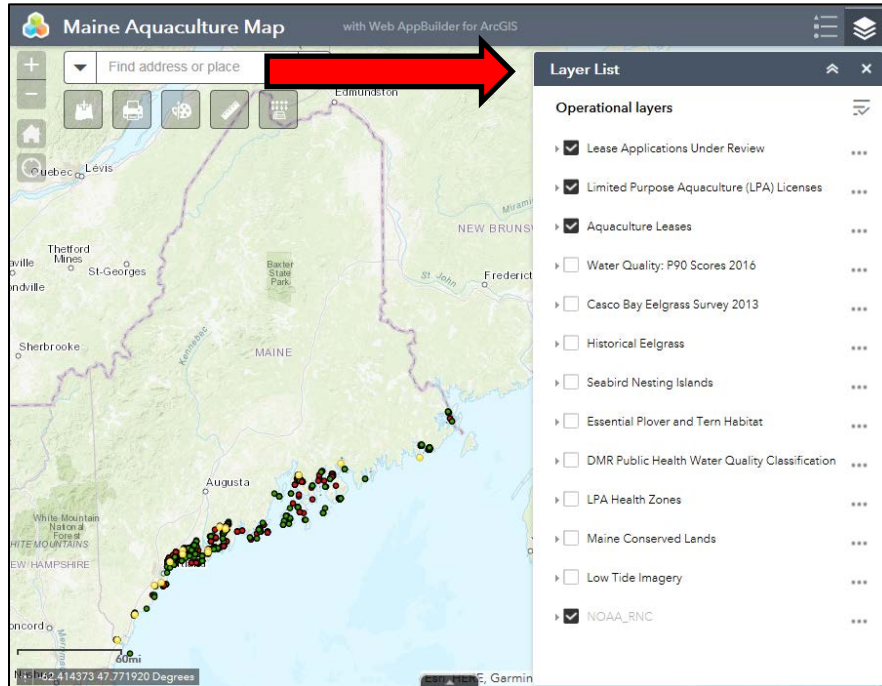
- I. Click this icon to reset the map to it's original view.




2. Using the Layer List



- I. When you click on this icon located in the upper right hand corner of the map, a box titled “Layer List” will appear. This box contains a list of layers (information) that can be added to, or removed from, the map.
- II. Check the boxes associated with layers you wish to add to your map. Uncheck the boxes for layers you wish to remove from the map.

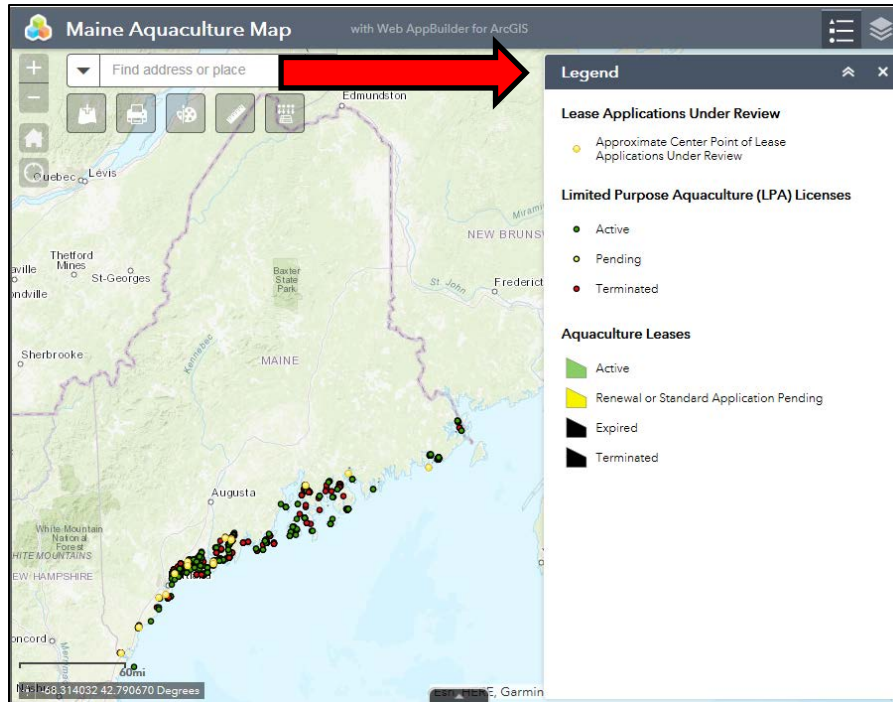


- III. Click  for more options including a **Description** and **Attribute Table**.

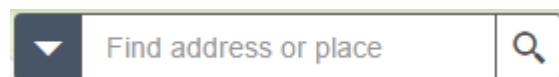
3. Using the Legend



- I. When you click this icon located in the upper right hand corner of the map, a box titled “Layer List” will appear. This box contains a list of layers (information) that can be added to, or removed from, the map.
- II. This box displays the symbols associated with each point and polygon on the map.



4. Using the Search Tool

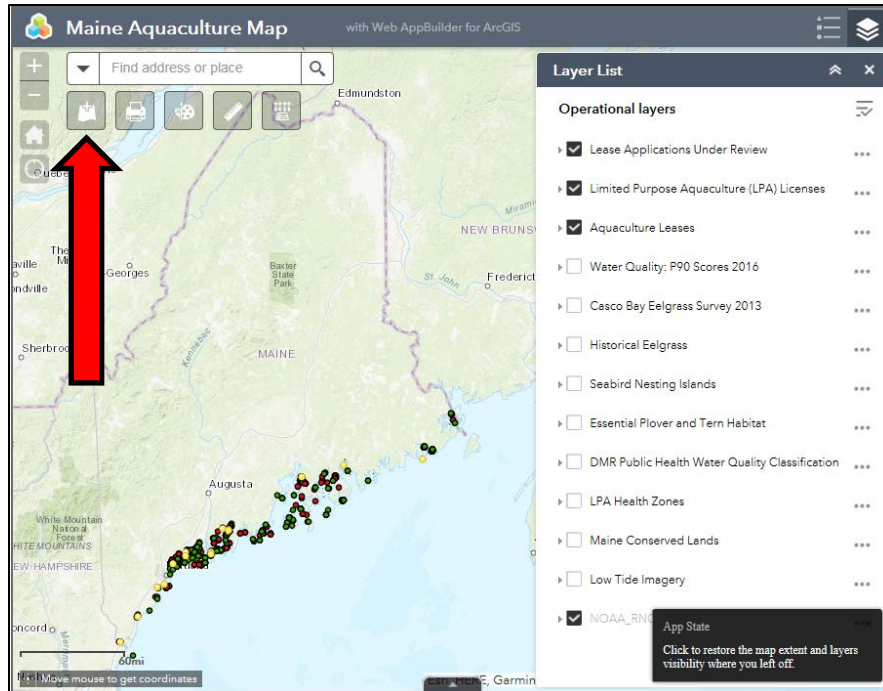


- I. The search bar allows you to enter a place-name or keyword and search for it. Aquaculture leases and licenses can be searched for using this tool.
- II. A pop-up appears at the location of the place-name or the feature and displays any available attribute information for the location or lease/license you have searched for.

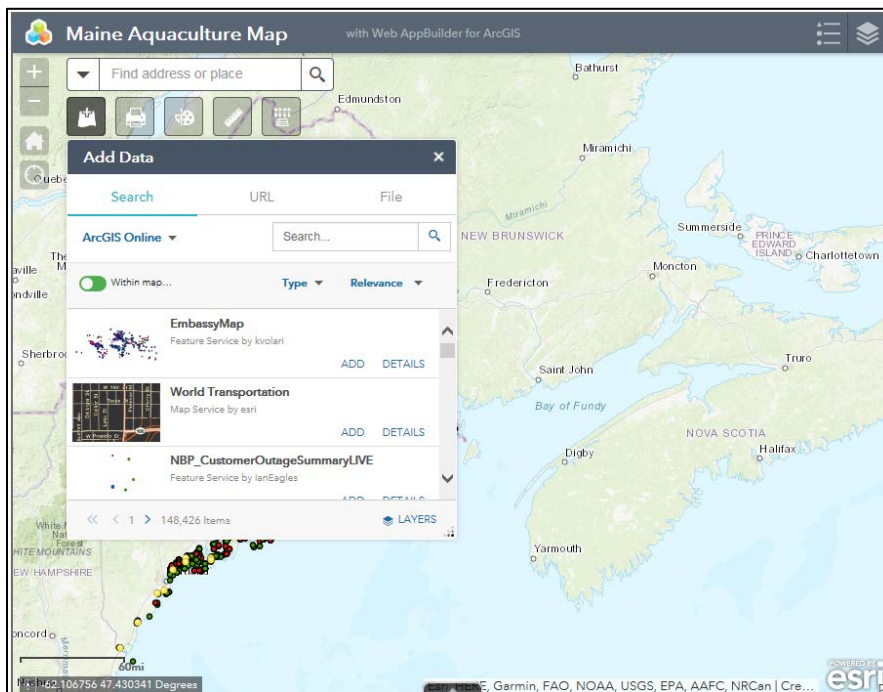
5. Using the Add Data Tool




- I. The add data tool allows the user add layers to the map.



II. When you click on the add data tool, the following box will appear.



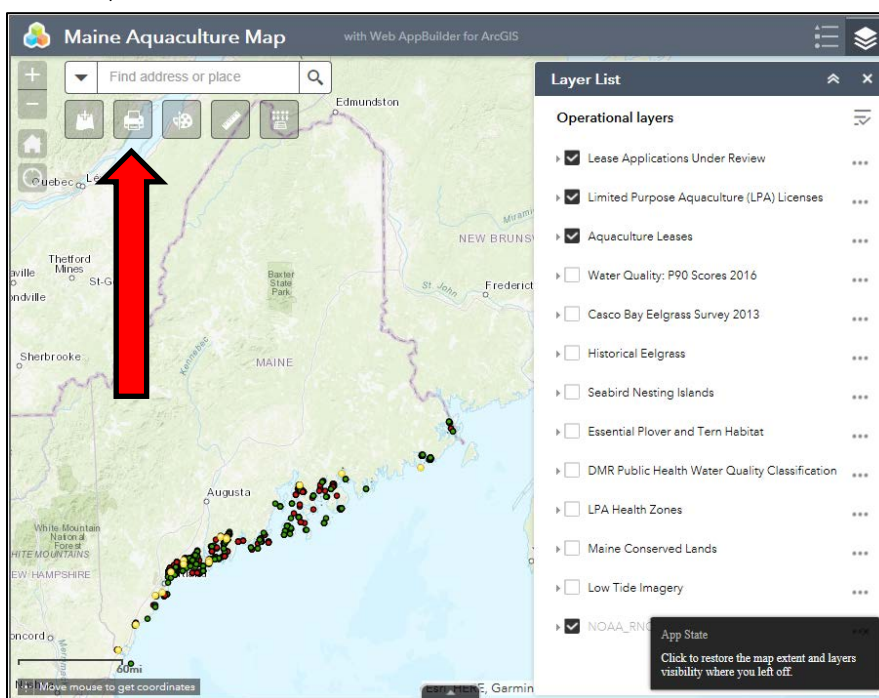
III. Under **Search** tab, type the description of the data you want. Click **ADD** on a specific item to add it to the map. The added layer will show in the **Layer List** as well. Click **REMOVE** to remove the layer from the map and Layer List. You can also click **DETAILS** to get information for the layer.

- a. Click  to only search layers within the map area. Clicking it turns the icon to red so you can search all layers in the scope.
 - b. Click the **Type** drop-down list to search layers based on map service, feature service, image service, vector tile service, KML, or WMS.
 - c. Click the **Sort By** dropdown list to sort items by relevance, title, owner, rating, views, or date.
- IV. To add layers by URLs, click the **URL** tab next to the **Search** tab. Choose a type and enter the URL. Click **ADD** to add the data on the map. The added layer will show in the Layer List widget as well. The following types are supported through the URL:
- V. To add layers from file, click on the **File** tab and browse for the files or drag and drop them onto the tool.

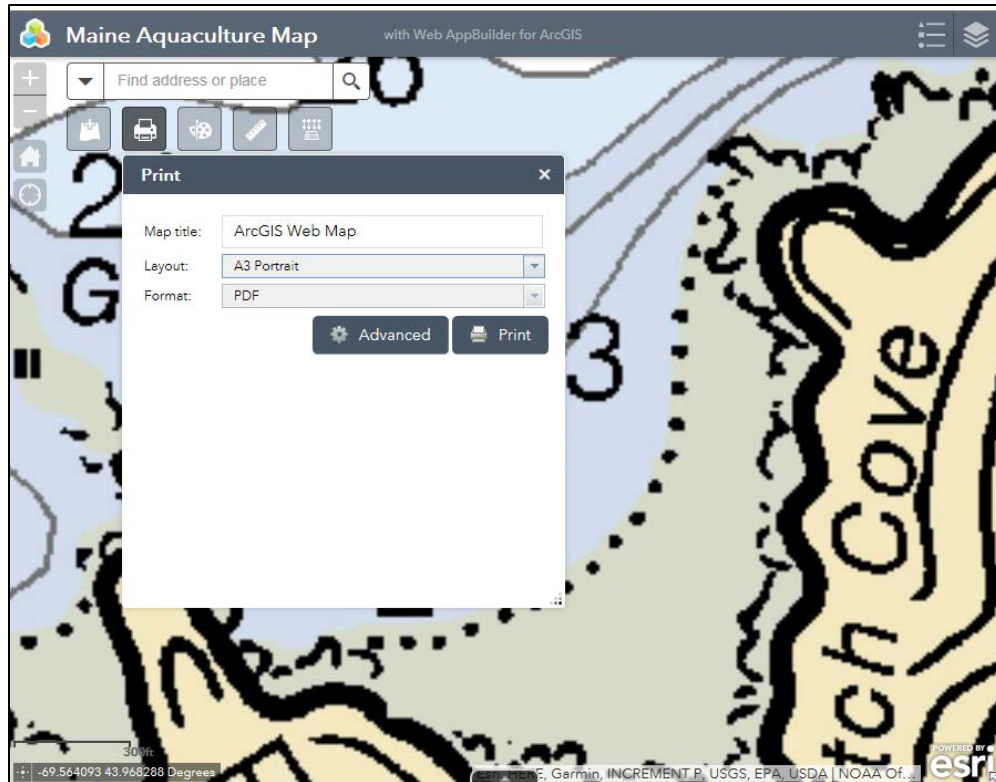
6. Using the Print Tool



- VI. The print tool  allows the user to export the map in a variety of formats (including PDF) and/or print the map.



- VII. When you click on the print tool, the following box will appear.



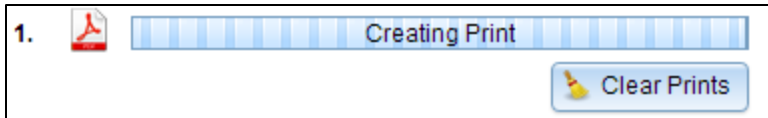
- VIII. Select the applicable **Layout** and **Format** for the exported map. If you pick a layout other than **MAP_ONLY** you will be able to create a title for your map. **NOTE:** The **MAP_ONLY** format prints only the map and will not print the layers you have added to the map.

- IX. Click **Advanced** to open a menu with advanced print options.
 - a. **NOTE:** The **Map scale/extent** section defines the method that the print service should use to calculate the printed extent of the map. Preserving **map scale** may cause the printed map to maintain its scale while recalculating the extent around the existing center point, while preserving the **map extent** may cause the scale to adjust to fit the current map extent into the printed map. You may also force a specific scale by checking the **Force scale** option and entering a scale. Click **current** to populate the value with the present scale of the map.

 - b. **NOTE:** The **Layout metadata** allows you to override the default values set by the configuration. Enter values for the **Author** and **Copyright** fields to provide current information to the print service. Check the **Include legend** check box to display the legend on the printed map.

 - c. **NOTE:** The **Print quality** section allows you to update the resolution of the printed map. Provide an updated value for the DPI (dots per inch) in the text box.

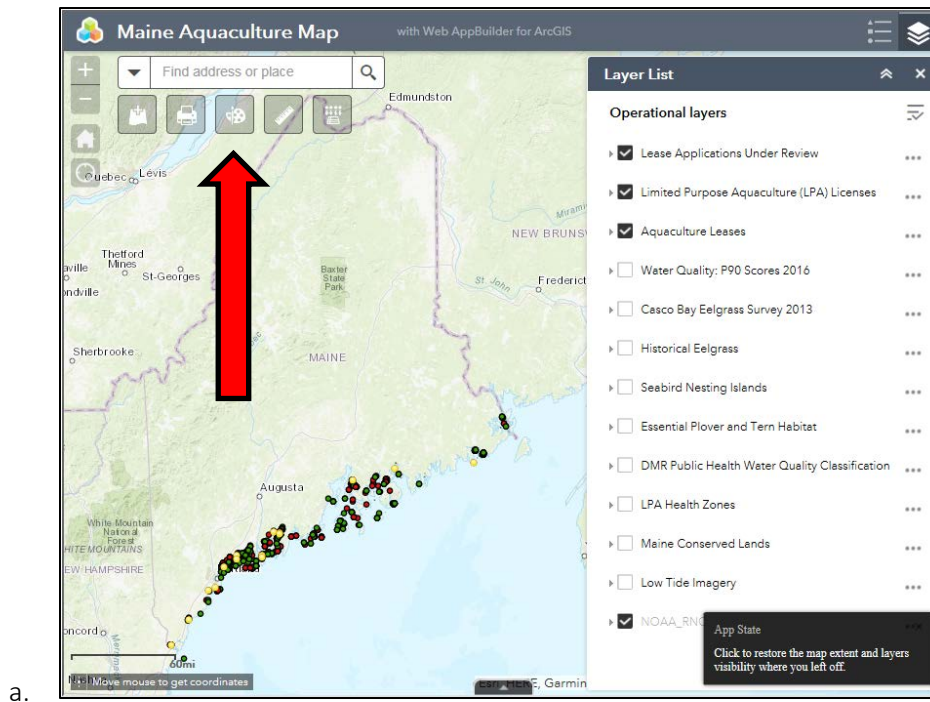
- X. After all options have been set with the applicable values, click **Print** to submit all information to the print service. A progress bar displays next to the executing task.



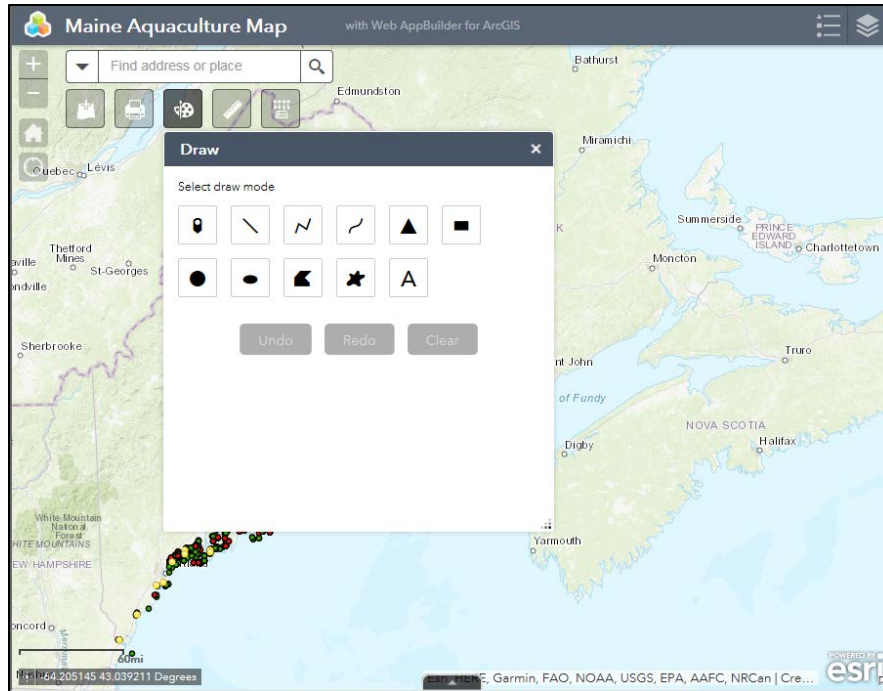
7. Using the Draw Tool



- I. The draw tool allows the user to draw points, lines, or polygons on the map.



- II. When you click on the draw tool, the following box will appear. To begin, click on the draw mode you would like to use.

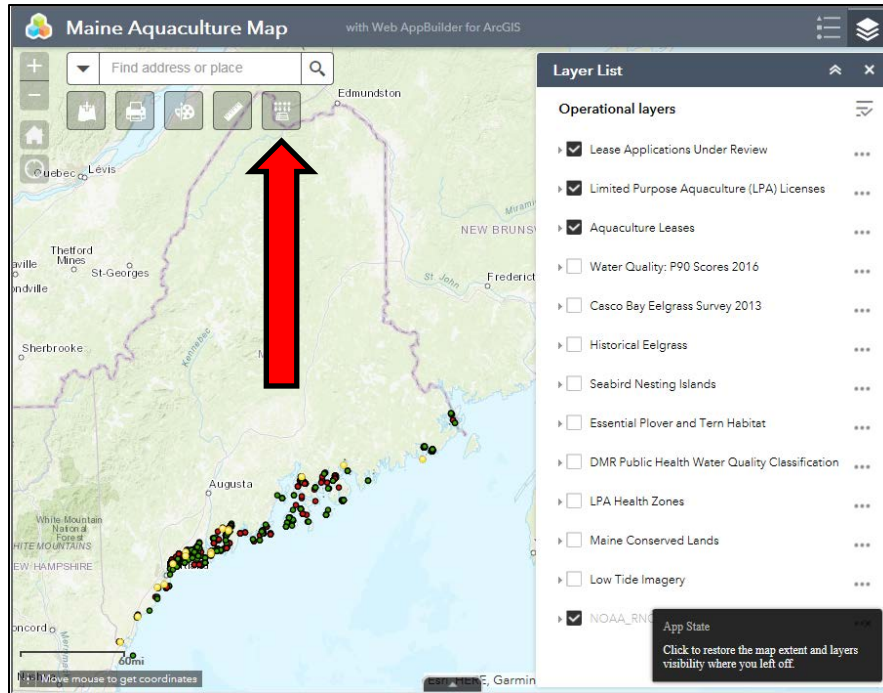


- III. For some draw modes, you can click **Show Measurements** and select **Area Units** and **Distance Units** to display measurements.
- IV. Click **Undo** or **Redo** to undo or redo the drawing features. Click **Clear** to remove all of them.

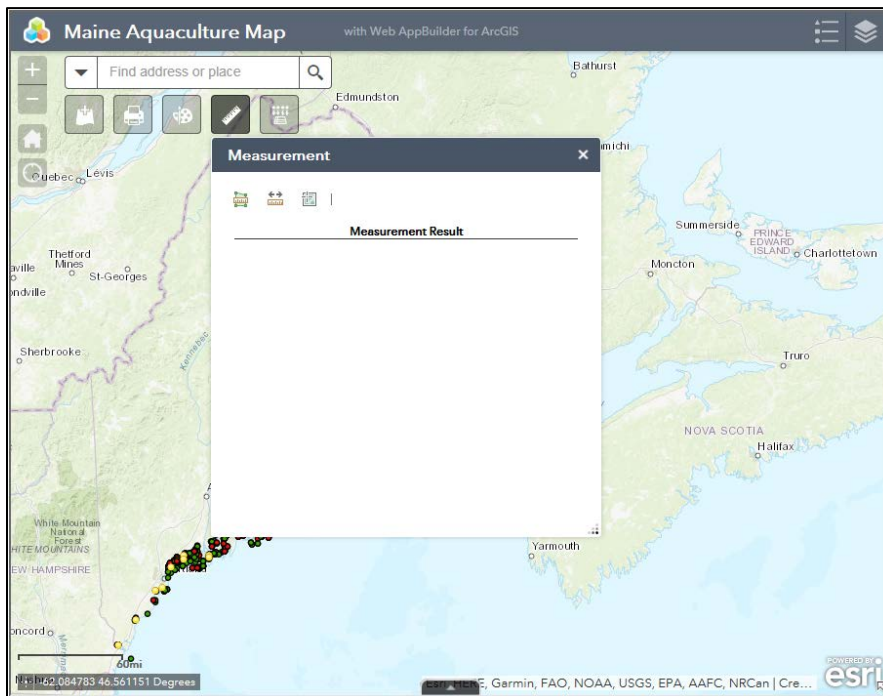
8. Using the Measurement Tool



- I. The measurement tool allows the user to measure distance, area, and coordinates on the map.

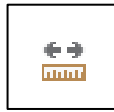


- II. When you click on the measurement tool, the following box will appear. To begin, click on the measurement tool you would like to use.





- a. This measurement tool allows the user to measure the area of a polygon. To do this, the user should select the units they wish to measure in the drop-down menu. Then, the user should draw a polygon on the map by clicking three or more points. Double-click to finish drawing the polygon and the measurement will appear.



- b. This measurement tool allows the user to measure a line. To do this, the user should select the units they wish to measure in the drop-down menu. The user should then draw a line on the map by clicking two or more points. Double-click to finish drawing the polyline and the measurement will appear.

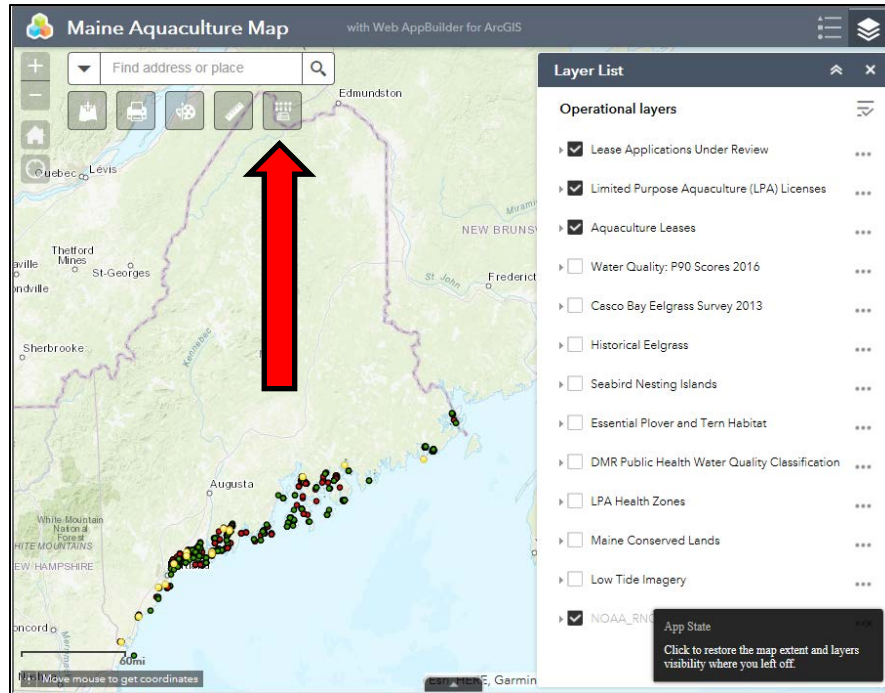


- c. This measurement tool allows the user to determine the coordinates of a specific location. To do this, the user should select the format they want the coordinates to be generated in in the drop-down menu. Then, the user should click the location on the map and coordinates will appear. **NOTE:** coordinates will appear for the location clicked on AND the location of the user's mouse/arrow.

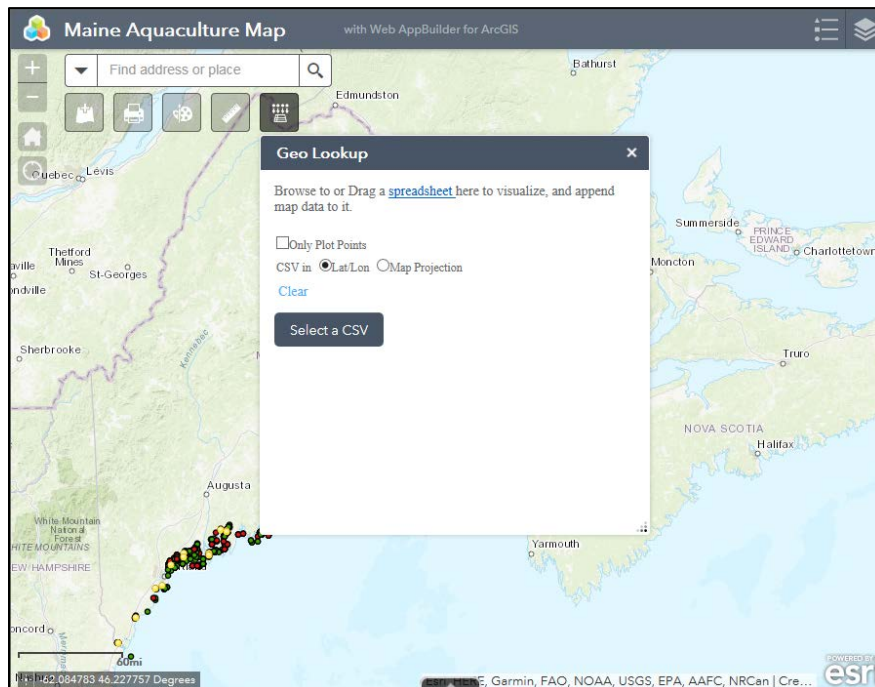
9. Using the GeoLookup Tool



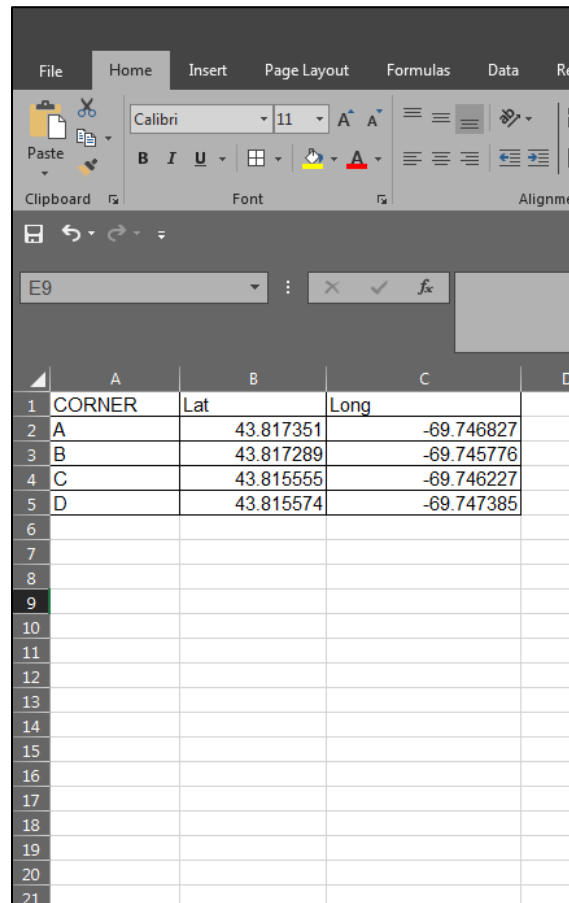
- I. The GeoLookup tool allows the user to add points to the map.



- II. When you click on the geolookup tool, the following box will appear. To begin, click on the **Select a CSV** button.



- III. Browse to your CSV file and select it or drag and drop a CSV on the tool. Select the file and click **Open** in File Explorer.
- a. NOTE: Coordinates in your CSV must be formatted in Degrees Decimal (ex: -69.12345) and should be set up as follows:



	A	B	C	D
1	CORNER	Lat	Long	
2	A	43.817351	-69.746827	
3	B	43.817289	-69.745776	
4	C	43.815555	-69.746227	
5	D	43.815574	-69.747385	
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				

- IV. Click the **Clear** button to remove the csv.